SPECIFICATION AMENDMENTS:

Pages 2 and 3

Please replace the paragraph at Page 2 line 29 through Page 3 line 4 with the following:

This object is solved by an apparatus ~~of the afore-mentioned type in which the ends of the bristles of the single grinding brushes are spaced at different distances to the transport plane, which~~ according to the present invention. This enables the bristles to process different portions of the workpiece edges in accordance with their respective distance to the transport plane. Thus, by selecting the distances of the bristles from the transport plane in a suitable manner, the entire width of the workpiece edges (i.e. the entire thickness of the workpiece) can be processed, while there is no need for using especially soft bristles. Thus, it is possible to achieve a far greater abrasive effect with the apparatus according to the present invention than with known apparatus.

Page 3

Please replace the paragraph at Page 3 lines 6 through 15 with the following:

Varying distances between the ends of the bristles and the transport plane can be reached in different ways. In a preferred embodiment of the invention the bristles on the individual grinding brushes differ in length. In another preferred embodiment the brush bodies are tilted with respect to the transport plane ~~and the brush axes extend in an orthogonal direction with respect to the transport plane~~. In both cases, a good abrasive effect on the entire width of the workpiece edges is achieved, while the respective distances between the ends of the single bristles and the transport plane do not change during the rotation of the grinding brush. Since the bristles are arranged at different distances to the transport plane, however, they wear off unevenly.

Page 5

Please delete the paragraph at Page 5 lines9 through 11 in its entirety as follows:

~~Fig. 6 a schematic sectional view of a metal sheet plate whose edge is processed by means of a grinding brush of an apparatus according to a further embodiment of the present invention,~~

Please replace the paragraph at Page 5 lines 13 through 15 with the following:

Fig. [[7]] 6 a semi-schematic partial sectional view through a portion of the planetary grinding head containing the axis and a grinding brush according to a further embodiment of the invention and

Please replace the paragraph at Page 5 lines 17 through 18 with the following:

Fig. [[8]] 7 a partially schematic plan view of the portion of the planetary grinding head shown in Fig. [[7]] 6.

Page 8

Please delete the paragraph at Page 8 lines 5 through 14 in its entirety as follows:

~~Similarly to Figs. 3 and 5, Fig.6 shows of a grinding brush 46 according to a preferred embodiment of the invention. The grinding brush 46 has bristles of uniform lengths, while its brush body 50 is tilted with respect to the transport plane 34 as is the case with the grinding brush 40 of Fig.5. In the case of the grinding brush 46, however, the grinding axis 26 extends in an orthogonal direction with respect to the brush body 50 and thus does not extend in an orthogonal direction with respect to the transport plane 34. In the case of the grinding brush 46 of Fig.6 the distance between the ends of the bristles 48 and the transport plane 34 not only varies for each bristle, but also changes for each bristle individually when it is rotated in such a way that eventually all bristles 48 wear off in an uniform manner.~~

Please replace the paragraph at Page 8 lines 16 through 23 with the following:

In the embodiments shown in Figs. 4 [[to 6]] and 5 the distances between the ends of the bristles of one single grinding brush and the transport plane 34 differ by up to 1 to 2 cm, i.e. the bristles which are spaced at the greatest distance from the transport plane 34 are spaced to said plane at a distance which is 1 to 2 cm larger than that of the bristles arranged closest to it. Such a distance range allows for the removal of oxide layers from lateral edges of metal sheet plates with a thickness of up to at least 2 cm with the use of the disclosed apparatus while the bristles do not need to be particularly soft.

Please replace the paragraph at Page 8 lines 25 through 30 with the following:

The sectional view of Fig. [[7]] 6 shows a planet carrier 20 and a grinding brush 26 which is coupled to a shaft 52. Together with this shaft 52 the grinding brush 26 is mounted in a nut 54 in such a way that it is freely rotatable, but inhibited from performing an axial sliding movement. On the free end of the shaft 52 protruding from the nut 54 a pinion gear 56 is mounted in a torque proof manner, which intermeshes with a sun gear 58 of the planetary drive.

Pages 8 and 9

Please replace the paragraph at Page 8 line 32 through Page 9 line 13 with the following:

On an axial portion of the periphery of the nut 54 a thread is formed by means of which the nut is screwed into a corresponding threaded hole 60 of the planet carrier 20. On the remaining portion of the periphery of the nut 54 a toothing 62 is formed which is engaged with an adjusting collar 66 mounted on the planet carrier 20 coaxially to the latter and provided with internal teeth 64. By turning the adjusting collar 66 in the direction of the double arrow 68 of Fig. [[8]] 7 the nut 54 can be adjusted within the planet carrier 20 in the direction of the double arrow 70 of Fig. [[7]] 6 parallel to the axis of the planet carrier 20. The adjusting collar 66 can engage the nuts 54 of a plurality of

grinding brushes 26 in order to adjust several grinding brushes 26 with respect to the planet carrier 20 at the same time, while other grinding brushes may be arranged on the planet carrier in such a way that they are not adjusted by means of the adjusting collar 66. This arrangement allows for moving a set of grinding brushes, which e.g. are provided with a special type of bristles, to a distance relatively to the workpiece that differs from that of the remaining grinding brushes mounted on the same planet carrier.

DRAWING AMENDMENTS

Please substitute the attached informal Replacement Sheet drawings, Figures 6-8 for those currently on file. Annotated Marked-up Drawings Figures 6-8 are being supplied for the convenience of the Examiner.